

**Problem**

Currently, many patients, specifically cancer patients, often feel isolated or alone in their struggle because of the stigma that's been historically associated with the disease. This feeling causes some patients to not share their experiences or concerns with others like themselves, which hinders their ability to learn more about their options and outcomes.

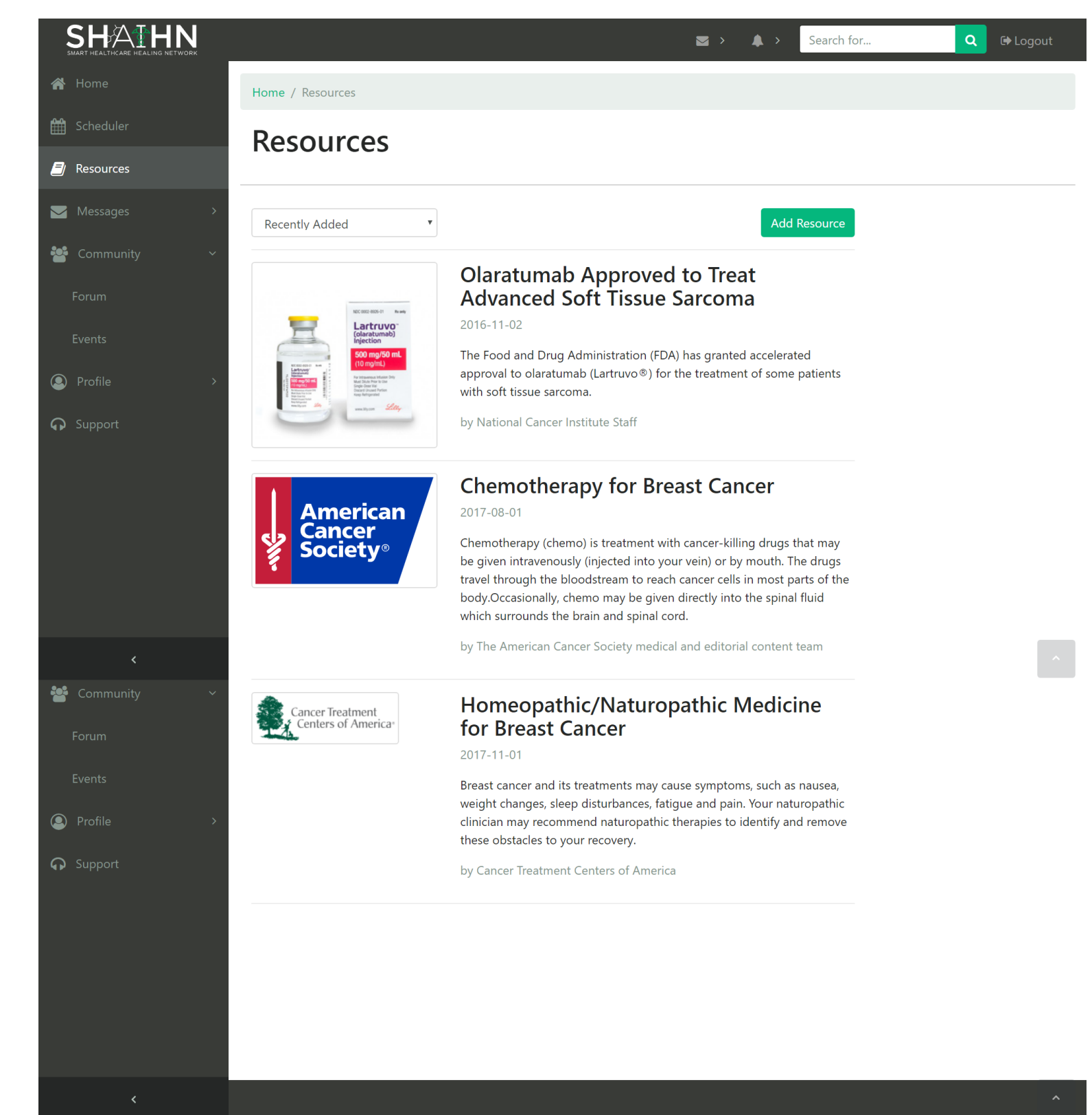
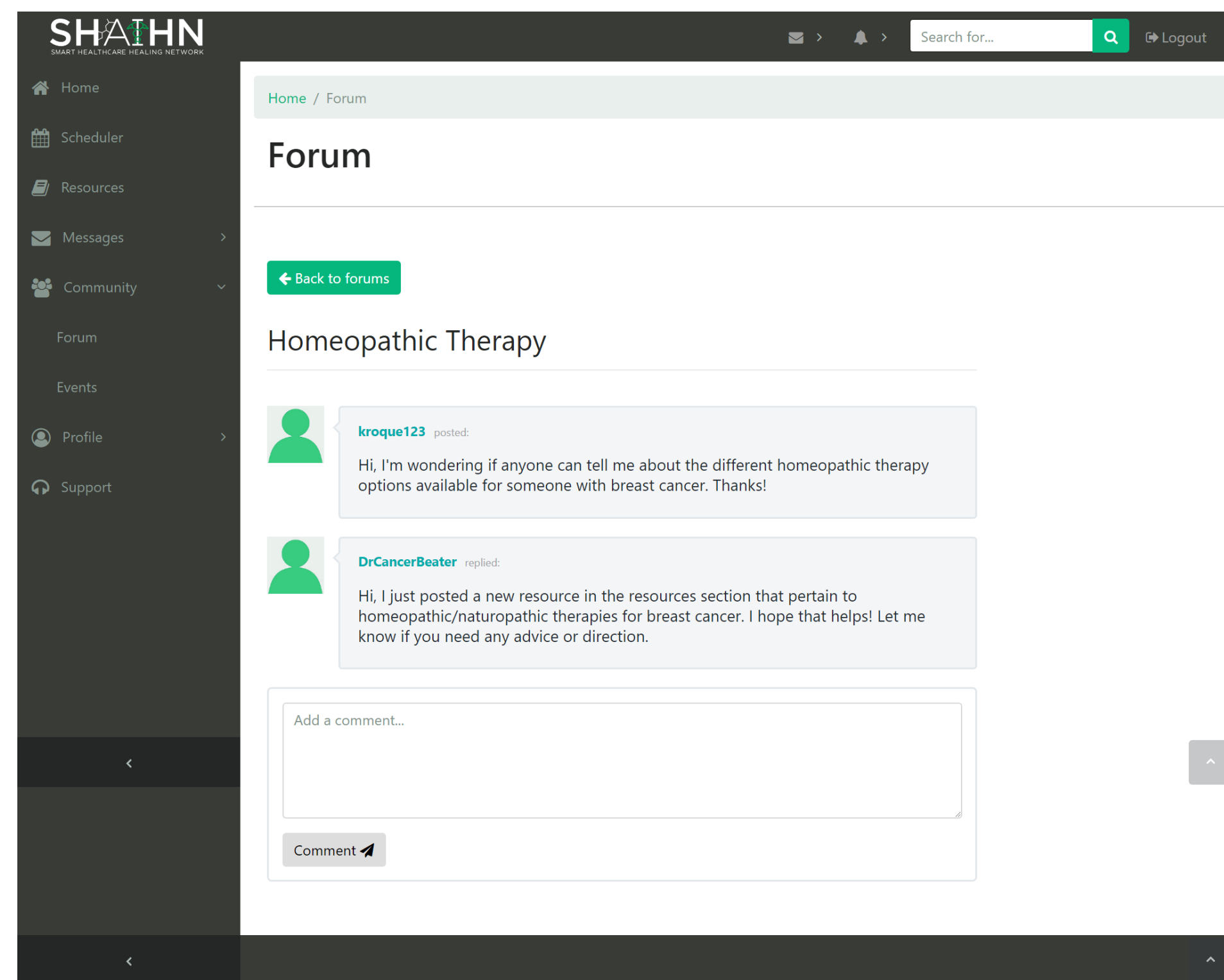
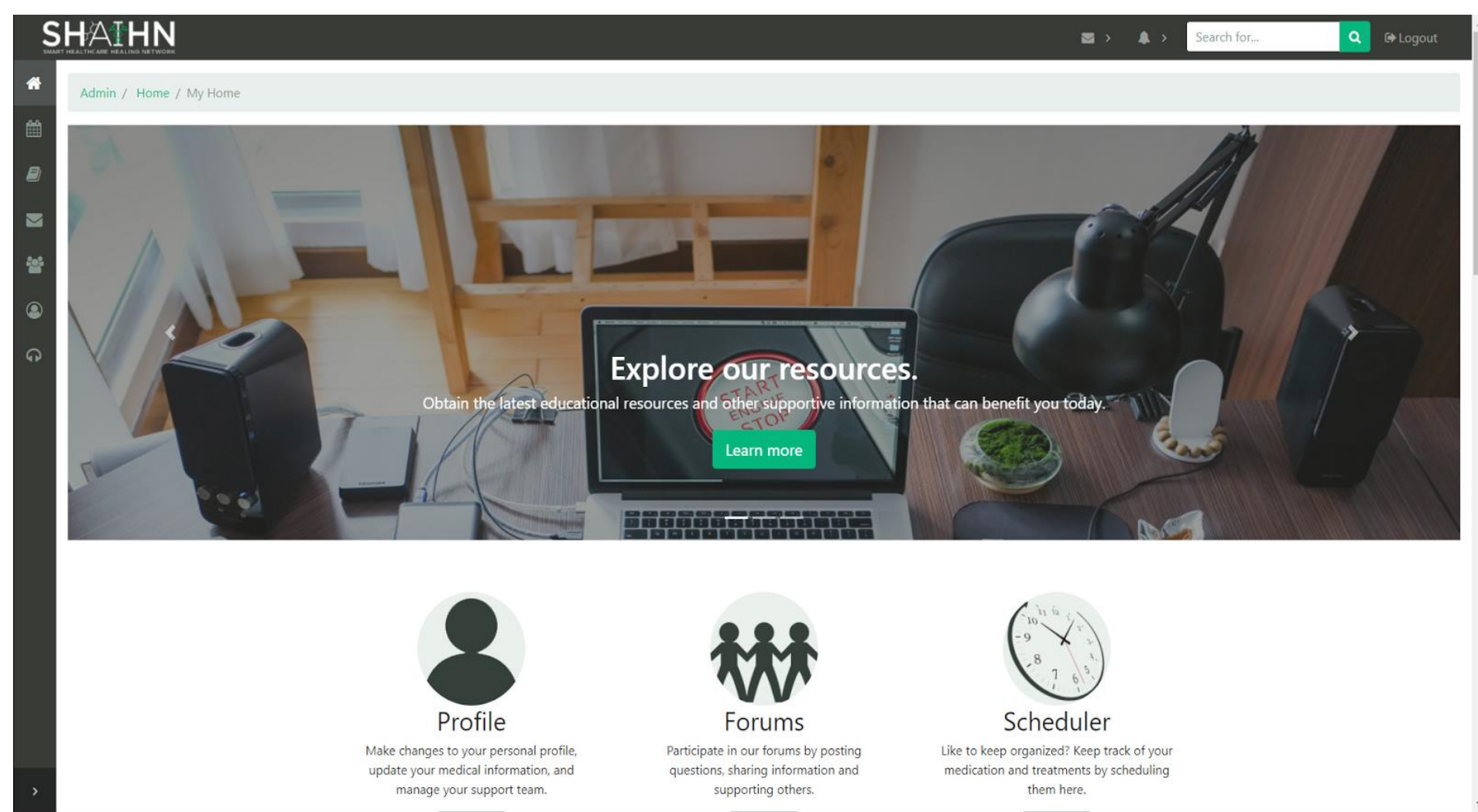
**Solution**

SHAIHN was built to be an online community where patients, their caregivers, and verified healthcare providers to discuss and share their experiences, advice, insights in regards to their disease, treatment options, and the everyday problems they encounter.

**Current System**

- Users include patients, caregivers, and healthcare providers
- Topic-specific forums are available for all users to post content and comments
- Users can create and join events
- Healthcare providers can post beneficial/educational resources for other users
- Calendar feature to track appointments and medicine schedules

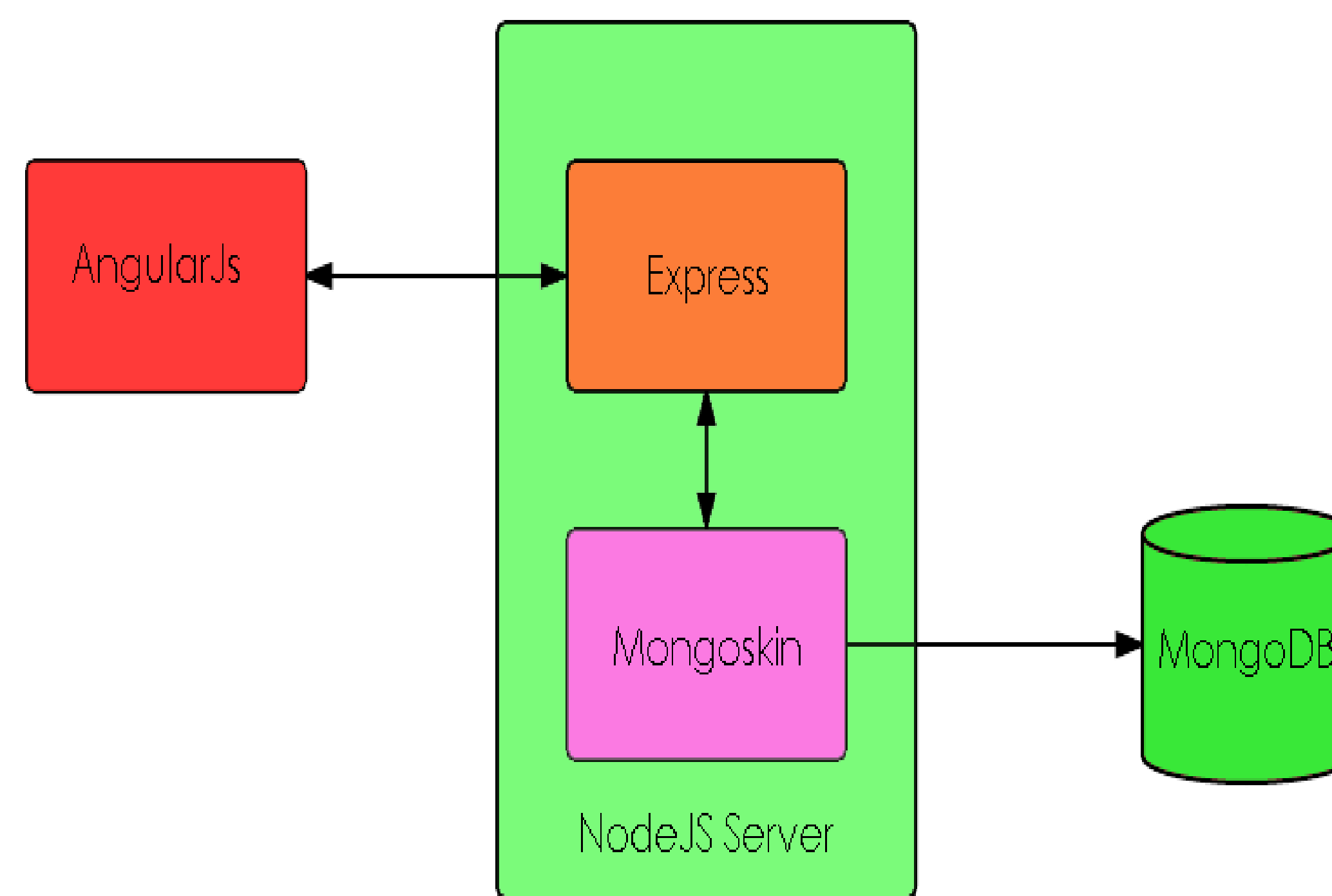
**Screenshots**



**Requirements**

- MongoDB v3.2 installed
- NodeJS and NPM installed
- ExpressJS, AngularJS, and MongoSkin dependencies injected
- Compatible Internet Browsers: Google Chrome, Firefox, Safari, Internet Explorer

**System Design**



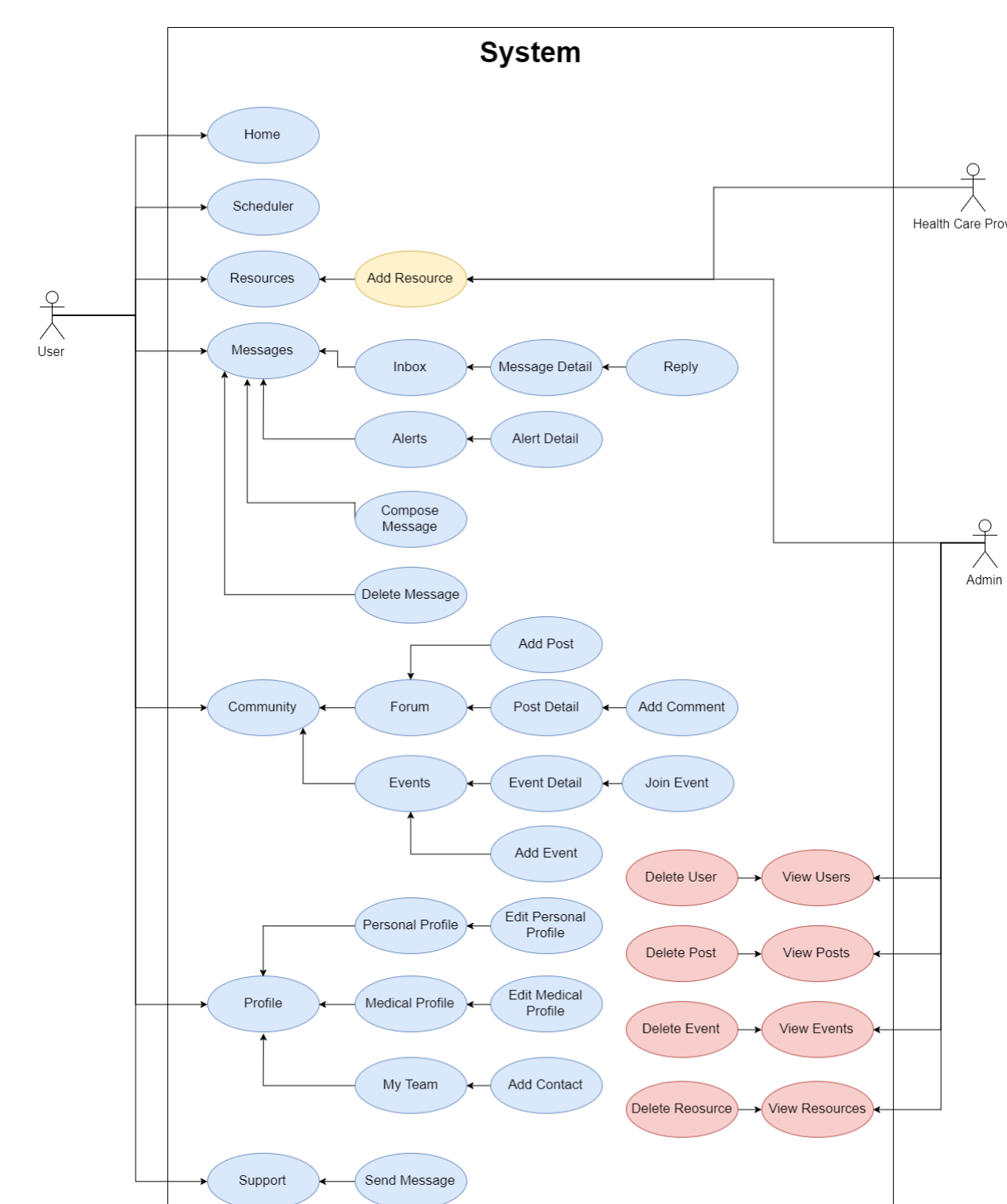
**Implementation**

- MEAN stack: MongoDB, ExpressJS, AngularJS, NodeJS
- JQuery, HTML5, CSS3, JavaScript
- MVC-like architecture
- Instead of models, services layer used for data access and business logic
- Development Environment: Visual Studio Code

**Validation/Verification**

- Manual testing performed for each user story by developers
- UI/Usability testing performed by potential users
- Application was demoed to Product Owner after each sprint so they could validate its functionality

**System Design**



**Summary**

- SHAIHN 1.0 is the first iteration of this web application
- Team developed from scratch using the MEAN tech stack for full stack web development
- Allows users with similar health conditions to connect in a supportive environment